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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

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Inspection Report
Minerals Regulatory Program

Report Date June 6, 2006

Supervisor QZ

Mine Name: Diamond Mountain
Operator Name: Deseret Generation and Transmission
Inspector(s): Paul Baker and Doug Jensen
Other Participants: None
Mine Status: Active (inactive at the time)

Permit number: M0470066
Inspection Date: April 13, 2006
Time: 3:30-4:10 PM

Weather: Clear, 50's, snow in protected places

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:
This was a routine inspection.

Inspection Summary:

3. Protection of Drainages / Erosion Control

During the inspection, there was a lot of snowmelt water running through ditches on the sides of the road, across the road, in a ditch to the west of the site, and elsewhere. On the west side of the mine, there are ditches on either side of the road and another below the outslope of the road. The ditch on the east side of the road was blocked so water was forced to run across the road (Photo 1).

Water in the ditch on the west side of the west road was running into the sediment pond on the southwest side of the mine, and this pond appeared to be functioning properly (Photo 2).

There is another ditch at the bottom of the outslope west of the west road, and water flowing in this ditch does not go into the sediment pond. Rather, it flows to a silt fence then into Reader Creek, but most of the water was flowing under or over the silt fence rather than through it (Photos 3 and 4).

The main ditch on the east side of the mine leads to a sediment trap near the generator (Photo 5). This sediment trap was completely full of water, and it was discharging through gravel into a stream that eventually empties into Reader Creek. The sediment trap and gravel provide some treatment, but the water being discharged was brown and clearly contained more sediment than water from adjacent

areas (Photo 6). Water on the right side of this photo is from the sediment trap, and water on the left is from undisturbed areas.

There is another silt fence toward the northwest side of the mine, and it needed repair (Photo 7).

5. Roads (maintenance, surfacing, dust control, safety)

Along the access road just west of the entrance gate (Photo 8), there is a low place in the road. Water was not flowing across the road during the inspection, but with the amount of water that has impounded north of the road and the amount of snow still to melt, we anticipate the road will be overtopped.

Conclusions and Recommendations:

The silt fences needed to be repaired so water would be forced to flow through them. Alternately, they could be installed with a notch through which water could flow. I recommend that they be reinforced with wire, such as fencing material.

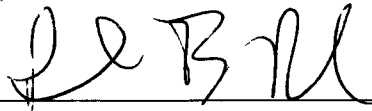
The sediment trap near the generator is not large enough for the amount of water that was going into it. The operator needs to either enlarge it or needed to take some other action to treat water coming from the east side of the mine. If enlarged, the resulting pond would probably need to be as large as the pond on the west side.

I telephoned the operator's representative, Larry Jorgensen, and discussed these maintenance items with him. A few days later, he sent pictures of the repair work that had been done. Judging from the photos, these repairs appeared to be adequate. He also indicated a silt fence would be installed near the sediment trap on the southeast side of the mine.

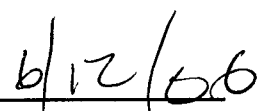
I recommended to Mr. Jorgensen that a culvert be installed under the road on the west side of the mine to divert water from the east to the west side of this road. He sent a picture showing a culvert that is already under the road on the west side of the mine, but this culvert was not functioning because of some debris in the ditch where the inlet is located. This debris needs to be cleaned out.

I recommend that a culvert be installed under the entrance road (unless one is already there and I couldn't see it for the snow).

Inspector's Signature



Date:



PBB:pb

cc: Larry Jorgensen, DG&T
Omero Torres, Ashley National Forest
Attachment: Photos

ATTACHMENT

Photographs

M0470066, Diamond Mountain Quarry, Deseret Generation and Transmission

Inspection Dated: April 13, 2006; Report Dated: June 6, 2006



Photo 1. The ditch and a culvert on the left side of the road were blocked forcing water to flow across the road.



Photo 3. Silt fence below the sediment pond.



Photo 2. Sediment pond on the southwest side of the mine.



Photo 4. Another view of the silt fence below the sediment pond. Water was flowing under this silt fence.



Photo 5. Sediment trap near the generator on the southeast side of the mine. Water was flowing through the gravel into the area shown in Photo 6.



Photo 6. Water on the left is from undisturbed areas, and water on the right is from the sediment trap.



Photo 7. Silt fence in the northeastern part of the mine.



Photo 8. I suggest the operator consider putting a culvert under the entrance road.